

ABSTRACT OF THE DISCLOSURE

Methods and apparatus for reducing precision of an input signal, by comparing a portion of the input signal to a preselected threshold value, and determining a selectable bias responsive to the comparison. By combining a portion of the input signal with the selectable bias, a reduced precision signal, having minimized or eliminated rounding error, is generated. The selectable bias corresponds to a predetermined characteristic of one of bias, an error signal, the input datum, the reduced precision datum, and a combination thereof.

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